



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Darrell H. Carney, Roger S. Crowther, David J. Simmons,
Jinping Yang and William R. Redin

Application No.: 09/909,122 Group: 1647

Filed: July 19, 2001 Examiner: DeBerry, R.M.

Confirmation No.: 1024

For: STIMULATION OF BONE GROWTH WITH THROMBIN
PEPTIDE DERIVATIVES

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the
United States Postal Service with sufficient postage as First Class Mail in
an envelope addressed to Mail Stop Sequence, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450

on 12-30-03 (Dawn M Myers)

Date Signature

Dawn M Myers

Typed or printed name of person signing certificate

TRANSMITTAL OF SUBSTITUTE SEQUENCE LISTING

Mail Stop Sequence
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Substitute Sequence Listing is submitted in response to the Office Action
mailed from the Patent Office on June 30, 2003 in the above-identified application.

An Amendment with a Petition for Extension of Time and appropriate fees are
being filed concurrently with the Substitute Sequence Listing.

Transmitted herewith is a copy of a Substitute "Sequence Listing" in paper form
(sheets 1/3 through 3/3) comprising SEQ ID NOS: 1 through 6 for the above-identified
patent application as required by 37 C.F.R. §§ 1.825(a) and 1.821(c), and a copy of the
Substitute "Sequence Listing" in computer readable form as required by 37 C.F.R.

§§ 1.825(b) and 1.821(e). Please replace the "Sequence Listing" filed on December 6, 2002 (sheets 1/3 through 3/3) with the attached Substitute "Sequence Listing."

As required by 37 C.F.R. § 1.825(b), Applicant's Attorney hereby states that the contents of the Substitute "Sequence Listing" in paper form and in the computer readable form submitted herewith are the same and, as required by 37 C.F.R. § 1.825(a), also states that the submission includes no new matter.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Helen
Helen Lee
Registration No. 39,270
Telephone: (978) 341-0036
Facsimile: (978) 341-0136

Concord, MA 01742-9133

Date: December 30, 2003